

Materials List for:

# Ex Utero Electroporation and Organotypic Slice Cultures of Embryonic Mouse Brains for Live-Imaging of Migrating GABAergic Interneurons

Lara Eid<sup>1,2</sup>, Mathieu Lachance<sup>1</sup>, Gilles Hickson<sup>1,3</sup>, Elsa Rossignol<sup>1,2,4</sup>

<sup>1</sup>Centre de recherche du CHU Sainte-Justine

<sup>2</sup>Department of Neuroscience, Université de Montréal

<sup>3</sup>Department of pathology and cellular biology, Université de Montréal

<sup>4</sup>Department of Pediatrics, Université de Montréal

Correspondence to: Elsa Rossignol at [elsa.rossignol@umontreal.ca](mailto:elsa.rossignol@umontreal.ca)

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## Materials

Name	Company	Catalog Number	Comments
Neurobasal Medium	ThermoFisher Scientific	21103049	Commercially available neuron-specific culture medium. Complete formulation available on this website: <a href="https://www.thermofisher.com/ca/en/home/technical-resources/media-formulation.251.html">https://www.thermofisher.com/ca/en/home/technical-resources/media-formulation.251.html</a>
B-27 serum-free supplement	ThermoFisher Scientific	17504044	50X Serum-free neuron specific supplement
15 mL sterile centrifuge tubes	Sarstedt	62.554.002	
Leibovitz's (1X) L-15 Medium (+ L-Glutamine)	ThermoFisher Scientific	11415064	Commercially available neural-based culture medium supplemented with amino acids, vitamins and inorganic salts. Complete formulation available on the distributor's website
L-Glutamine	Invitrogen	25030-081	
Horse serum, heat inactivated	Millipore-Sigma	H1138-500ML	
Neurocell supplement N-2 100X	Wisent	305-016	Botteinstein's N-2 Formulation
VWR Square PETG Media Bottles 125 mL	VWR	89132-062	
Class II Type A Biosafety Cabinet	Nuaire	NU-540	
Sucrose	BioShop	SUC700.1	
Sodium Chloride	BioShop	SOD001.1	
Sodium bicarbonate	ThermoFisher Scientific	S233-500	
D+ glucose	Millipore-Sigma	G7528-250G	
Potassium Chloride	ThermoFisher Scientific	P217-500	
Sodium phosphate monobasic anhydrous	BioShop	SPM400.500	
Calcium chloride dihydrate	ThermoFisher Scientific	C79-500	
Magnesium sulfate heptahydrate	BiosShop	MAG522	
Agarose	BioShop	AGA002.500	
50 mL sterile centrifuge tubes	Sarstedt	62.547.004	
1.5 mL centrifuge tubes	Sarstedt	72.690.001	
P-97 Flaming/Brown Micropipette puller	Sutter Instruments Co.	Model P-97	

0.4 mm I.D. x 75 mm Capillary Tube	Drummond scientific	1-000-800/12	
Ethanol	VWR	E193	
5 mL syringe	Becton Dickinson & Co	309646	
Mineral Oil (heavy)	Rougier Pharma		
WPI Swiss Tweezers #5	World Precision Instruments	504511	11 cm, straight, 0.06x0.07mm tips, antimagnetic. You will need 2 of these.
WPI Swiss Tweezers #7	World Precision Instruments	504504	11.5 cm, 0.18x0.2mm, curved tips
HTC Tweezers	World Precision Instruments	504617	11 cm, Straight, flat
Operating scissors	World Precision Instruments	501225	16 cm, Sharp/sharp, straight. You will need 3 of these.
Dressing Forceps	World Precision Instruments	501217	12.5 cm, straight, serrated
Iris Forceps	World Precision Instruments	504478	10.2 cm, full curve, serrated
DeBakey Tissue Forceps	World Precision Instruments	501996	15 cm, 45° angle, Delicate Jaw, 1.5mm wide
Fisherbran Microspatula with rounded ends	FisherScientific	21-401-5	You will need 2 of these.
Nanoject II Auto-Nanoliter Injector	Drummond scientific	3-000-204	
TC Dish 60, Standard	Sarstedt	83.3901	60-mm dish
Tissue culture dish	Sarstedt	83.1800	35-mm dish
Black Wax	FisherScientific	S17432	
Transfer pipettes	Ultident	170-CTB700-212	3 mL, small bulb
Stereo Microscope	Leica Biosystems	Leica M80	In replacement to our stereomicroscope which has been discontinued by the manufacturer (StereoMaster from FisherScientific)
Electro Square Porator	BTX Harvard Apparatus	ECM 830	
Tweezerrodes, Platinium Plated, 3mm	BTX Harvard Apparatus	45-0487	
25G 1 1/2	Becton Dickinson & Co	305127	
Leica VT1000S Vibrating blade microtome	Leica Biosystems	VT1000S	
GEM, Single edge razor blade	Electron Microscopy Sciences	71952-10	Remove the blunt end before inserting in the blade designated space of the vibratome
μ-Slide 8 well	Ibidi	80827	Pack of 15
Millicell cell culture insert	Millipore-Sigma	PICM0RG50	30 mm, hydrophilic PTFE, 0.4 μm pore, pack of 50.
Leica DMI6000 microscope	Leica Microsystems	N/A	
Spinning disk confocal head Ultraview Vox	Perkin Elmer	N/A	
Volocity 6.0 acquisition software	Improvision/Perkin Elmer	N/A	
LiveCell Stage top incubation system	Pathology devices	LC30030	Provides Temperature, CO2 and humidity control.
SP8 confocal microscope	Leica		
mCherry-Lifeact-7	Addgene	54491	Gift from Michael Davidson
Fast Green FCF	Millipore-Sigma	F7258-25G	25G bottle, certified by the Biological Stain Commission